



ATTACHMENT B

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A method to observe glass sheets (1) and to regulate the heating effect of heating elements (5) for the glass sheets in a sheet glass hardening furnace, which furnace comprises a glass heating section sector capable of receiving multiple glass sheets, a transportation rail (3) to transport the glass sheets (1) to and from the said heating section and said where the heating elements (5) to heat the glass sheets by means of radiation and an air blast, and a furnace control system to carry out the hardening process of the glass sheets (1), ~~characterized~~ in that the said method comprising the steps of:

observing a location area in the glass heating section of the furnace of one or several more glass sheets (1), said observing step including the step of watching watched for the one or more glass sheets from the glass sheet level, is observed with measuring instruments (6), by means of which measure air temperatures in the heating section above the glass (1) transportation rail whereby a lowered temperature measured by a measuring instrument is indicative of the presence of a glass sheet to be heated, (3) is measured and

raising the heating effect of their heating elements (5) raised by regulation with the control system, at which the location area or areas of the one or more glass sheets (1) is observed by means of the method said observing step.

2. (currently amended) A method according to claim 1, ~~characterized in that wherein~~ detectors (6) of the temperature measuring instruments are located in the furnace one after another essentially in the a line in a course L-direction of the glass sheets (1).

3. (currently amended) A method according to claim ~~1~~ 2, ~~characterized in that wherein~~ there are several lines of detectors (6) side by side in the course direction of the lines (L1—Ln) of the glass sheets (1) course.

4. (currently amended) A method according to claim ~~1~~ 2, ~~characterized in that wherein~~ there are ~~detectors (6)~~ at least three detectors one after another in the same line (~~L~~).
5. (currently amended) A method according to claim ~~1~~ 2, ~~characterized in that (6) wherein the~~ detectors are located about 10–50 mm above glass ~~/ transportation rail (3)~~.
6. (currently amended) A method according to claim ~~1~~ 3, ~~characterized in that wherein, as a~~ temperature reading of each line ~~L~~ the average is calculated from the reading of all detectors (~~L_H, L_M~~) of the line.
7. (currently amended) A method according to claim ~~1~~ 6, ~~characterized in that wherein from~~ the temperature average of each (line) (~~L~~) the glass load is concluded.
8. (currently amended) A method according to claim ~~1~~ 6, ~~characterized in that wherein the~~ temperature averages are calculated during the heating cycle and the effect of heating elements of a preferred line L is regulated depending on the temperature average calculated during heating.
9. (currently amended) A method according to claim 2, ~~characterized in that wherein the~~ temperature-measuring detectors (~~6~~) are placed above glass transportation rail (3) ~~essentially to~~ measure the air temperature and to have free radiation contact down onto the glass transportation ~~/ rail (3)~~.